

4

Left Gloucester 11 Am.

Sta 10399 Oct. 31st.

2.45 Pm to 3.55 Pm

42° 30 N. 70° 21 W

Cloudy, ~~109~~ smooth. Slight NE

Depth 75 fath = 137 meters.

Very lumpy bottom.

m.

W.S.

0

50

✓

30

1

R 149 9.20 @. 10

✓

60

2

R 148 6.52 @. 10

✓

90

3

R 151 5.51 @. 10

✓

120

4

R 153 5.32 @. 10

✓

20 net 0 split

1/2 meter net 0 25 min. swarm small copepods

3.15 Pm
Meter net 60-0 1/2 hr Cal + 4 f

1 furo 1 ♂ Purple finch (tied)
8 siskins (fresh)

10400 Nov. 1st

5:30 AM, 6-35 AM.

42° 58' N 70° 15' W.

Fog, calm, smooth.

78 fath = 142 m.

●		49.5		WS.
30	1	R 149	8.25 @ 10	WS
60	2	148	7.15 @ 10	WS
90	3	151	4.93 @ 10	WS
130	4	153	4.52 @ 10	WS.

Several mackerel schools passed during the night

20 net 0 2 1/2 hr. Rich red micro

1/2 m net 0 1/2 hr. Scanty stenophore + copepods.

meter net 90-0 1/2 hr. Fairly rich cal + some calanoid.

$$\begin{array}{r} 182.9 \\ 91.4 \\ \hline 274.3 \end{array}$$

$$\begin{array}{r} 182.9 \\ 36.5 \\ \hline 219.4 \end{array}$$

0

25

75

105

50

100

175

275

10401

Nov. 1st,~~11:15 AM~~

2 PM.

to 3.15 PM.

ESE light smooth ^{dark} cloudy
& rain.

120 fath = 219 meters

Position ?

0	51	WS
30	1	8.9.2 @ 10 WS
100	2	4.37 @ 10 WS
150	3	4.62 @ 10 WS
200	4	5.09 @ 10 WS.

eel grass & rockweed.

20 net 0. 1/2 hr Red micro +
stenophores

1/2 m " 0 " Small pods + stenophores

Bottom net 180-0 1/2 hr ~~less stenophores~~
+ ~~very scanty cal.~~

Water net 90-0 20 min (Scanty cal.)

2 gal stenophores - ditto slime &
very few pods. 1 ft. sample saved,

$$70 = 128 \text{ m}$$

$$75 = 137$$

$$80 = 146$$

$$128$$

$$\underline{9}$$

$$137$$

$$\begin{array}{r} 128 \\ 16 \\ \hline 144 \end{array}$$

10402

Nov. 2.

~~Am.~~ dark, bright starlightOff ~~S. of~~ Manhegan.4⁰⁰ Am. to 5.10 Am.

W by N. fresh cold clear slight chop.

79 fath = 144 meters

Depth. Manhegan ^{shoaling to 70 m.} 4 N. 9 miles. W.S.

0 47 ✓

30 25 1 8.86 @ 7.5 ✓

60 55 2 8.20 @ 7.5 ✓

90 85 3 6.60 @ 7.5 ✓

140 135 4 5.02 @ 7.5 ✓

Nets over 4.35 Am. up 5.05 Am.

Meter net. 50-0 fair haul Cal. schinopods + 4f

1/2 m " surface Cal. Ammalocera & schinopods

20 net " Nothing but tobacco.

No ctinophores + practically
no micro.

Nov. 3rd Left Boothbay Har.
6.30 Am. Arrived Gloucester
6.30 Pm.

Nov. 4. Sat. at Gloucester

" 5 Sun. " " no work.

" 6 Mon. " " taking stews

" 7 Tue. would have sailed,
but engineer failed to appear.

Nov. 8. Left Gloucester 6 Am.

Wind fresh W.S.W., cloudy.

$$\begin{array}{r}
 18.2 \\
 \underline{18} \\
 20.0
 \end{array}$$

$$\begin{array}{r}
 18.2 \\
 \underline{14.6} \\
 3.28
 \end{array}$$

Sta 10403 · Nov. 8th

10 Am. to 10.40 Am.

Clear, fresh S.W. choppy.

Off Provincetown.

Depth. 18 fath - 32 meters.

0 48.5 105.

30 #1. 8.40 @ 9 W.S.

10.10 Am

Meter net 25-0 ^{25 min} fair cal, abundant
fish eggs (pollock)
1/2 " " 0 20 min fair cal, fish eggs
+ y.f.
20 net 0 20 min rich red micro

10404 4.30. 8th
 1.45 P.M. 2.35 P.M. S.W.
 Stiff S.W. Driftly clear.
 100 fath = 183 M.

		WS.
0	50.5	✓
50	1 8.09 @ 10.5	✓
100	2 4.98 @ 10.5	✓
175	3 4.87 @ 10.	✓

Water net 150-0 1/2 hr
 Very scanty catches

20 net 0 20 min
 Red red swimmers & Siphonophores

1/2 m net 0 20 min
 Scanty Euth & Siphonophores.

Nov. 9th 3 AM came to anchor
in Vineyard Haven. Strong
SW blow continuing all day
and most of the night.

Nov. 10th Wind veered to
NW with rain in early morning
& later moderated & backed
to W.

12.30 P.M. bore up anchor
& proceeded for Cape May.

1871

6

15

Sta 10405 Nov. 10th

6.15 pm to 7⁰⁰ pm.

Bright full moon.

Clear. W. light slight chop.

20 fath - 36 meters.

W.S.

① 53.5 ✓

30 fath. 1 1248 @ 10.5 ✓

20 net 0 25 min

Rich green micro.

1/2 hr net 0 25 min

Red small pods, 7/8 + 1/8

Water net 1/2 hr 25 min

Red small pods + 1/8

$$\begin{array}{r}
 54.8 \\
 11.6 \\
 \hline
 66.4
 \end{array}$$

10406 Nov-11th

5.15 Am. to 6.15 Am.

Clear w. fresh choppy.

Parula coronata to daylight.

38/alt = 69 m.

0 53 W.S.

30 = 2(151) 11.83 @ 11 W.S.

60 = 2(148) 10 @ 11 W.S.

Not 30/1000 to top. Only 1000
nothing to see at 1000.

Notes 5.45 Am. 1/2 hr

20 net 0 Parula coronata
+ young Euthrausta

1/2 hr net 0 Parula coronata
+ young Euthrausta

Netted net 50-0

Some small birds, small 10/1000

Euthrausta = 1/2

31.4

1.8

33.2

1040' Stage 1
12 m to 1.15 P.m.
40°03' 71°43'

N.W. Steep climb. high steep.

51 fath = 93 m.

W.S.

0		52.3	✓
30	2	11.54 @ 10	✓
60	3	13.02 @ 10	✓
90	4	7.75 @ 10	✓

Birds, 1 juncos + 1 pine siskin,
1/2 hr all.

20 net 0 Full red sunset

1/2 m net 0 fair sunset, small
copulads

Water net, 7.15 P.m.

- Scanty brown large Pith. into
+ small copulads, 1 Bl. ...

10402 Nov. 11.

3 PM to 4.15 PM.

U. fresh choppy clear

180 fath - 183 meters.

39°52' 71°47'

0		52.5	W. S.
25	1	12.02 @ 10	"
50	2	13.95 @ 10	"
100	3	9.27 @ 10	"
180	4	10.25 @ 10	"

nets 3.50 PM

1/2 net 0 2 hours net surface
1/2 net 0 2 hours net surface
35^{min} net 75-0 Very scanty 1st 1/2 hr
40^{min} Bottom net 150-0 Very scanty 1st 1/2 hr

$$\begin{array}{r} 128 \\ 128 \\ \hline 110 \end{array}$$

10.30 (W) 10.00 (W)

12/11/77 Nov 12th Sunday.
7.25 AM to 5.45 AM

clear ~~at~~ smooth light E breeze

77 fath = 140 meters.
to 135

W.S.

① 55 ✓

30 1 13.18 @ 11 ✓

10 2 13.33 @ 11 ✓

99 3 9.10 @ 11 ✓

4 10.29 @ 11

20 net 0 1/2 m fair haul and
micro (not leaked somewhat)

1/2 m net 0 1/2 m fair haul small
copepods, small nauplius & small Echinaster

Netter net 80-0 1/2 m, small haul
small copepods, small nauplius, small Echinaster
abundant 12-15 mm 1 Echinaster

Shed net 1/2 m, small haul
white copepods - small Echinaster (1/2 m)

some nauplius

73

266

1117

Sta 10411 Nov. 16 th
12.55 P.M. to 1.30 P.M.

W. fresh choppy clear.

9 fath - 16 meters

W.S.

0 54°

W.S.

15 #4 #153 12.40 at 8

WS

~~12.55~~ 20 min

20 net 0 Thick brown mucus & small
feds.

1/2 m net 0 Rich haul small pods

Bottom net Rich haul sagittum

944.

Sta 10412 Nov. 16

SW light clear, smooth data

6.55 P.M. to 7.35 P.M.

19 fath = 34 meters

ws.

0

56

✓

30 #4 = $\frac{\$153}{13.65} @ 13$
= 56.5

7.10 PM

20 min.

20 net 0

Rich. ...

1/2 m net 0

Bottom net

38° 14'

74° 39'

5-4.8

1.8

56.6

Sta 10413 Nov. 16-17

midnight ^{12.45} ~~4h~~ 1/2 moon.

WnW. Clear, light, smooth

31 fath - 56 meters.

W.S.

0 56

✓

25 ^{1/3} 13.5 @ 6 ✓

50 ^{1/4} 13.5 2 @ 7 ✓

12.20 Hm.

20 net 20 min.

Rich dark green ~~some~~
+ some sagittae

1/2 a net 20 min

Scarcely feeds etc rich sagittae

Bottom net, 20 min

Rich Sagittae ^{some} Euthemisto +
copepods

37° 44'
74° 35'

01

02

03

04

05

06

07

08

09

10414 Nov. 17 ~~15~~

7.30 Am. to 9.15 Am.

clear, light W, smooth.

80 fath = 146 meters
Hoisting to 135

W.S.

0 55.5

✓

30 25-1 13.30 @ 7

✓

60 55-2 13.01 @ 7

✓

90 85-3 9.30 @ 7

140 135-4 9.44 @ 7

8.45 to

20 net 0 20 min 37° 14'
Rich red mucous 74° 31' 30"

1/2 m net 0

Scanty small pods
+ Sagittae

Bottom net 300 m line

foaled. Bottom
Scanty Sagittae

~~Water net Eutima~~

Other trawl

146 m. to overboard

2' net

2' net

10415

Nov. 17th

10.40 Am. to 12 m.

light smooth clear.

50 fath - 90 meters

us.

0 55.

30 2 13.32 @ 10

60 3 13.30 @ 10

90 4 11.88 @ 11

370 12' 30"
740 42'

10.55 Am

20 net 0 20 min

Rich hard reddish green 0

1/2 m net 0 20 min

Scanty small veg + copepods

Bottom net 25 min.

fair haul Eutima etc. veg + copepods

After trawl. On bottom 10 min.

2 ♀ *Urophyra* etc. 73 cc of water

spores 74 3 1/2 kg

net 10

26

11
11

10416

Nov. 17th

2.10 P.M. 3.20 P.M.

Clear, fresh S.W. slight chop

23 fath - 41 meters.

O 56.8 US.

20 #3 13.06 - @ 10 W9

40 #4 14.12 @ 10 W3

2.30 P.M.

37° 06' 30"
75° 00' 20"20 net 6 20 min
Very rich dark green micro1/2 in net 6 20 min
Poor small red pods
+ 4 f.Bottom net 48-0 20 min
Fair haul Benthos + SagittaeOtter trawl, 10 min on bot-
2 live scallops. Several large
dead shells - *Crangon* & *Scapharca*
+ 2 *Urosalpinx* shells. few stars
1 sea urchin

10417

Nov. 17

8.40- P.M. , 9 10 P.M.

SW. fresh slight chop clear

Surface 57.5

WS.

20 net 0, 20 min

Brown micro small pods

1/2 m net 0

Rich small pods.

36° 59' 30"
75° 41' 30"

10418

Nov 22

11:15 A.M. to 11:45

calm. sea smooth

9 fms

16 1/2 m.

Surface

54.5

WRS

20 net 0

11:56

20 min

scout macro

1/2 meter net 0 20 min

3.5 m plankton some

larval fishes

Other haul Bottom 20 min

water haul

36° 50' 30"

75° 49' 30"

10419

Nov 22

430 PM to 5:00

small air sea smooth
11/2 fms 10 meters

Surface 56°

WS.

36' 23' 30"
75° 39'

#20 net 0 433 753
20 min
Brown mure & small pods

1/2 m. net 0 20 min
Brown pods

Otter trawl Bottom 20 min

1 *Stomatopoda*, 1 *Crustacea*
1 *Paralichthys dentatus*
1 *Rhynchocentrus*
1 *Rhynchocentrus*

10470 . Nov 23

3:57 AM to 4:30

14 fms 25 meters

Just light breeze smooth sea

Surface 57.2° ✓WS

35°33'

75°18'

150 net 0 20 m 3:40 - 1

1000 meters 1 fish

1/2 m

20 min

Small brown fish

At least 20m 1000 m

1 King crab many other fish

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in different studies

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For use in the

National Notebook

Patented by E. W. Hill, July 5, 1898.

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10421 Nov 23

6:10 A to 7:15 PM

On small 5 days

11 fms 32 m

35° 26'

75° 08'

Surface 58

U5✓

30 m #4 15.50 @ 11

U6✓

#20 net 20 min 623

Red-brown murex & pods

1/2 meter net 20 min 623

Small pods

Bottom net

20 min 6:23-45

1 m. net.

Bottom net 20 min 6:55 6:15

2 m. net.

104/22

Nov 22

Round brush, large
area of brush
to 1000

30 ft

55 ft

10/100 60.5

1000 ✓

25 #3 15.90 @ 12

✓

50 #4 15.83 @ 12

"

Too rough to reach
station.

35° 23'

74° 58'

10/12/22

Nov 25

Left 10:00 am. Arrived

sky clear

1:20 PM

12 pm

2:00 pm

Super

63

105 ✓

Too rough to walk onto.

Have to make riding and
ground a bit.

10424

Nov 28

10425

10426

10427



10428

Dec 4

Clear + warm. Sea calm

223 PM to 3:11 P.M.

13 fms 24 meters.

Surface 69.8

WS ✓

100 net 20 min

Micro. light 1 min

1/2 meter net 20 min

Micro. coarse

3:20 50'
77° 50'

Shad net 20 min

full of sand

Albatross 20 min

1 small fish

36.5
1.0
53

16429

10.11

From 6:09 PM to 6:42

Light Smallish fish

2.9 fms 53 m/s

0 74.5 WS ✓

2-515m | R151 | # 3 | 24.40° @ 2.1 WS ✓

5040 | R153 | 4 | 24.38° @ 2.0 WS ✓

#20 net 0 20 min 6:22 6:42

Searchy, minor.

1/2 net 0 20 min

33° 07' 30"
17° 39'

little travel bottom 20 min

1 small fish

Agcocephaloides?

— #

182.9
5 1.1
1.4 130

182.9
5 1.1
1.4 130

0
50
100
150
200

0
50
100
175
250

16430 Dec 4

10 PM to 10:30

Shower. Stiff breeze

Sea calm.

136 fms 249 meters

0 72

W.S.V

50 m 1 23.01 @ 21

W.S.V

100 ₁₅₀ 2 17.28 @ 21

W.S.V

175 ₁₇₅ 3 12.54 @ 21

W.S.V

250 4 11.82 @ 21

W.S.V

#20 net — 20 min

1/2 meter net — 20 min

Ottotrawl 20 min

Squall kicked up too

much sea to finish station

Bottom net — 20 min

Sta 10435. Jan. 4 1917
Off Shallotte Inlet N.C.
6 1/2 fath - metres.
1.45 P.M.

Surface temp. 52.5

Clam dredge. Rough, hard
bottom, down 2 min. had
to haul up.

Proceeded on course to
Brunswick Ga.

Sta 10436 Jan 11th 1917
11. AM.

Surface temp 60 W.S.

High T. W. Wind

Air temp 46

off jetties at Fernandina, Fla.,
on shrimp-seed ground.

No nets

$$\begin{array}{r} 18.2 \\ 9 \\ \hline 27 \end{array}$$

10438

Jan 17th 11 PM

12.10 AM

Porter's ... miles

E

15 feet = 27 m.

0

72.5

W.S.

11.30 PM.

1/2 hr.

meter net. 20.0 Port ...

1/2 m net 0 Rich " " "

20 net 0 for ...

$$\begin{array}{r} 18.27 \\ 91 \\ \hline 19.20 \end{array}$$

Sta 10439

Jan 20 215 PM 3:50 PM
Clear, smooth NE, light.

20 miles N from NW Chan buoy
1/2 mi. West. Air temp. 75°

10.5 fath. - 19 meters
Smooth bottom

WS.

○ 71.5

✓

18m, st 153, 21.88 @ 21

✓

Bottom sample: white sand + shells.

2.45 m. 1/2 m.

20 net 0

Rich mud

1/2 m net 0

Strophomena, Cyprina + 4/5

meter net 12-0

Strophomena, Cyprina + 4/5

Oil barrel 15 min. Very slow.

1 det. fish 1 Pteropoda

10742

10741

a few minute
+ slow
+ 4/5

$$\begin{array}{r} 1800 \\ \underline{1000} \\ 800 \end{array}$$

r

$$\begin{array}{r} 42.7 \\ \underline{44.0} \\ 102 \end{array}$$

10440 Sunday

Jan 21st 2:15 AM 3:15 AM
Shark fight NNE of ...

NE clear dark light ...

11 fath = 20 m

Bottom sample ... (too hard)

0 68

WS.

18 #153 20.91 @ 20

2:40 AM

20 net 0 fair haul ...

1/2 m net 0 Rich haul small ...

net 15-0, Rich haul 4 f ...

Jan 22 6 AM Boca Grande Coast
of Ab, SE wind

Surf temp 65° 10.13.

Sta 10441 Jan. 24th
4.00 P.M. to 4.45 P.M.

5 miles W from Tampa T/V Chan. Buoy

7 fath = 12.8 meters

S.W. light, smooth clear.

Bottom sample ^{in 22"} sand, shells (lost) 10 S,
barren,

0 68 10 S

153.19.72 @ 21 10 S.

4.20 P.M.

20 net 0 20 min fair haul
chico.

1/2 m net 0 20 min
Rich stenophanes; jellies.

water net 20 min.
Rich Mf + stenophanes
+ jellies

Other trawl.
a small piece sponge

$$\begin{array}{r}
 46.5 \\
 36 \\
 \hline
 101
 \end{array}$$

10442 Jan 24th 10 PM
S: Smooth. clear. lig. lt. dr. 11.25 PM

22 fath = 40 meters

bottom sample (did not work / hard)
water firm, brilliant.

0 68.5 WS

20 # 153 19.59 @ 21 WS

38 # 153 19.43 @ 21 WS

net 10.35 PM
filler or something
1/2 hr

Net net 35-0
Rich food 4f, 4f, 4f, 1 yph
1 large shrimp

1/2 m net 0
Rich food 4f, 4f, 4f, 4f

20 net 0 very scanty

$$\begin{array}{r}
 36.58 \\
 16.45 \\
 \hline
 53.03
 \end{array}$$

10442 Jan 15 444-

Smooth light W. clear. (light)

Bottom sample. Ind. no sample

Depth 29 fath - 53

(Must have been 39 (wider))

WS.

69.5

WS

25 # 151 ± 1.18 @ 21

WS

50 # 153 $\pm 20.7^D$ @ 21

WS.

March self-wind

4.55 AM.

20 net 0 Scanty Micro

1/10 m net 0 fair haul gulf. and stuff

m net 45-0 fair haul up
to fender

$$\frac{1200}{1000}$$

10444 Jan 25. 12:30 PM.

W. W. drifter cloudy (afternoon)

105 feet = 129 m.

green sand & ^{mud} Sample

0 70.5 WS

35 149 21.82 @ 19 WS

50 148 21.80 @ 19 WS.

100 151 19.35 @ 19 WS.

175. 153 14.14 @ 19 WS.

Much gulf-weed.

Jan. 12, 50 P.M.

20 net 0 Scanty murex

1/2 m net 0 Small land fods etc

meter net 170-0 fair haul

diff. fods - general



10445

Jan 25

1.2 km

8.30 pm

n.w. clear fresh choppy

Off soundings (3000 fathoms)

0 72.5 4 N S.

100 # 149 21.75 @ 17 WS

150 # 148 18.49 @ 17 WS

250 # 151 (22.90) @ 17 WS

350 # 153 11.58 @ 17 WS

(Getting 10 2000 = 4000 250)

20 net 0 1/2 hr Scarce birds

1/2 hr net 0 1/2 hr Rich bank gen. plankton. 1 large Leptocarpus

Net net 300-0 40 min

Rich bank general plankton
1 large Leptocarpus. Several other species
Leptocarpus

10446 Jan 27th 1230 Am

cl. ~~E~~ ~~10.9 mi. S. of~~ ~~10.9 mi. S. of~~

10.9 mi. S. of

CS. Black E 1/2 E 5 miles

Black E 1/2 E 5 miles

63

10. #153 17.77 11.13.5 10.9

14 mi 1/5 hr

Water 1st 8.5 mi. Rich for plankton
& some young fish.

20 net 0 Rich micro

1872.

36.

4

with

Sta 10447 Jan 30, 17'

12 midnight^v to 2.30 AM.

2nd. Light smooth skin.

12.5 fath = 228 m.

29° 38' 87° 00'

66

We

50. 119 19.40 @ 20

100 197 1960 204 195

150 157 1298 20 165

200 10112, 19 WS

19.44 @ 20

18.50 @ 20%

1333 @ 20

10.22 @ 70

10/10

10.22 @ 20
Dir. back of page
1/2 of page
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12445 Jan 30 Ant

7 1000 8.115 AM

fath = meters

W. fresh small clouds

5 ft wind on surface

72 fath = 131 meters

29° 53' 87° 07

0	6%		SS.	
25	20.04	@ 20	✓	✓
50	19.62	@ 20	✓	✓
100	18.10	@ 20	✓	✓
130	15.87	@ 20	✓	✓

25	20.13	@ 19	} Part shot
50	19.65	@ 19	
100	18.24	@ 19	
130	15.77	@ 19	

95°

Nets 8.15 AM

1 net 0 fair bird none
25 min

1/2 net 1 Small bird open
30 min

Water net 120-0

Red bird 11 + open
35 min

18-9
7.5
25.5

10449

Mar 30 10.30 AM H-30

SSW Clear light smooth

Coral - sample

30° 05' 87° 12'

65 WSV

20 #153 10.44-10.47 1/2

20 #151 10.50-10.53 1/2

nets 10.55

20 net 2 small

1/2 m " 0 Scanty - few yf
inter net 25-30 2 yf only

yf. corals + opines

10450 Jan 50

2 P.M. to 2:15 P.M.

Turned back NW 1/4 4 miles

SW fresh ground - cloudy

no salt

~~11/17~~ 6 ft. 11. miles

① 62

ws ✓

10450 #153

16.42

17

10450 #151

16.42

10451 Feb. 6 9 AM
E light clear smooth.
Pensacola Bay.

5 fath = 9 m.

Air 32°

Surface 45 ✓

9 m. #153 12.42 @ 8 ✓

Taken to find conditions in bay
after a week of freezing weather

(Left Pensacola 8:30 AM.

Passed out 10 AM

(Broke gas belt.)

10453

Feb. 9th.

10.05 AM

1 mile S from Ship. 1/2 hr. under buoy
H. light clear beneath

Surface temp. 52. WS,
4 1/2 to 3 1/2 fath.

1 1/2 hr. shrimp net 15 ft wide, 1/2 hr.
a few small anchovies

20 net 0 1/2 hr. net 1/2 hr., brown

1/2 hr. net 0 1/2 hr. quantity

Small pods & few ~~young~~ fish

Barren mud bottom

1045- Feb. 9

N.W. by the water shore

12:50 P.M. $\frac{1}{2}$ hr.

3 $\frac{1}{2}$ ft

Chandler St NE

Surf temp 54 WS

10 shrimp,

3 trunk-fishes (21, 18 + 17 cm)

2 sting rays TT 10752 + 3

1 cutlass fish

6 pin fish

6 trout

1 robin

2 small flounders

a few anchovies + squid

5 spot 17 to 14 cm.

28 croaker 21 to 12 cm

1 qt jar

10455 Feb 7th 1917
P.m.

Chandler St.

6 fath^{to 7 1/2} Surf 54

2.15 P.m.

Bottom tent

10 m. #151 12.48 @ 11 W S

Shrimp net 2.30 1/2 hr.

1 trunk fish

small crab

2 small spade fish TT 10754

1 " fannus

2 " flounder 1 anchovy

1 " dog-chaser

3 shrimp

a few squid

1 small mermaid TT 10751

10456 Feb. 9th 1917

4.20 Pm. 1 hour.

5 fath ^{near} calm smooth clear

Surf temp 54

(to tank bracing N N W) 4 1/2 fath

(Basket basket weighs 4 kilos).

2 bushels shrimp

27 kilos Tare 8 kilos

$\frac{37}{64}$ " less tare = 56 Kilos.

Haul very clean.

10457 7 Oct. 19th

8 AM 5 fath, mud + sand

Wind E, fresh clear
Small chop.

Surf temp 52.5

1st haul

Shrimp net 8 AM

1/2 hour

2nd haul further E + further in

8.45 AM. 4.5 min.

1st haul 4 shrimp (all soft)

1 ~~member~~

2 Echinus

4 small trout

1 small croaker

1 sea cat

1 acorn

many anchovies

1 cuttle

a few squid

1 ofish

2nd haul.

89 crabs

1 sea cat

1 Mantis shrimp

5 small spot.

1 amphipod

7 small trout

2 eel

1 cuttlefish

1 anchovy

3 or 4 squid

See wt & length of
crabs

Sta 10458 Feb. 10th

11-15 Am

Bright & Shiny Id. ^{1/2} hour

3 1/2 feet

1/2 hour

1st haul 15 ft

5 bushel shrimp clean haul

4 Barrel - Head shanks 38 am

+ branks - fish

1 Sting ray, same as before

2 Chelomyxus

2 Spot

+ Menidia

17 Small trout

2 cutlass

+ butter fish

2 squid

+ Steller

2nd haul 12.40 PM.

5 1/4 fath. mud.

25 min.

10 bushel (Therobites)

Shrimp — practically

no fish & nothing else.

Feb. 12th 4⁰⁰ PM.
Miss. Sound at
1st beacon outside Gulfport.

Surface temp. 50.5°

Air. 60°

WS.

$$\begin{array}{r} 1829 \\ \underline{183} \\ 2012 \end{array}$$

Sta 1045-9 Feb 12.

11.15 PM to AM.

W. E. stiff, choppy, clear.

11 fath = 20 m. Sand)

0 59 # WS

20 #158 14.58 @ 10 WS.

11.35 PM. - 12.05 AM.

20 net 0 net lost

1/2 m net 0 Rich haul yf. ~~some~~
fods + leptocarpus

Sled net 20-0.

Rich haul M f. Agallus fods
r leptocarpus

3 AM Struck the muddy water
off the mess apper, temp dropped
from 64 to 50 surface

Sta 10460 Feb 13, 17
4.45 Am 10 6 05 Am

NE light with stars

70 fath - 128 mi.

Port Eads bearing N of W.

5 Am.

⊙		50	WS
25	#149	19.10 @ 12	✓
50	148	19.95 @ 12	✓
100	151	17.93 @ 12	✓
125	153	17.08 @ 12	✓

nets 5.25 Am

20 net 0 30 min

Rich murex sp + left nautilus

1/2 m net 0 30 min
Rich sp pods + left nautilus
inc. Safflower

meter net 80-0 40 min
Rich pods & 4 ft inc. macroids
Rich pods & 4 ft + Sternopleura

9.15 AM off SW pass ran from
comparatively clear water to S.W. surface
sharp into thick yellow muddy
water 47°

$$\begin{array}{r} 54.8 \\ 10.9 \\ \hline 75.7 \end{array}$$

9:15 Ants 11 Am

Sta 10461 Feb 12

E. light smooth, clear

Water yellow & muddy.

36 fath = 75 meters

SW ^{lightship} bearing NE. about 3 miles

0 46 WS

25 149 16.58 @ 13 WS

50 148 19.57 @ 13 WS

75 151 failed for 1st time WS

75 153 18.18 @ 16

20 net 0 ^{9:30 Am} 15 min

1/2 hr net 0 20 min

Water net 50-0 20 min

Rich general & left cephalic

Spring 10:30 Am

Other hauls 15 min

barren mud

1 starfish

2 small clams

10462 Feb 13 2.15 PM

E light smooth - clear.

9 fath = 16 m mud

9 miles SE from Barataria St.

0 59.5° WS

15 m. \pm 153 16.42 @ 16 WS

Pelicans. Barn. fishing.

Net 2.25 PM.

20 net 0 20 min Diatoms
+ scanty

1/2 m net 0 20 min Diatoms
+ scanty 4 ft

Bottom net 16-0 20 min
Diatoms + scanty 4 ft

Shrimp bowl 2.50 PM 15 min slow

3 bushels large prawns 1 bushel fish

Shrimps

50 weighed	1570	gr.
51	1500	
50	1650	
50	1610	

Exact & fair weights

fish - mostly bits 9/10 100

Trout 103 weighed kilos 5.50

Croakes 2

Spot 1 Small flounders 11
 Catfish 1 (Kitt)

Lizards 2

Robins 4

Bairdella 1

Stellus 7

Butlers 29

Worm fish 2

Spotted fish 1

Cats 14

$$\begin{array}{r} 73 \\ 4 \\ \hline 82 \end{array}$$

$$\begin{array}{r} 4.50 \\ 1.75 \\ \hline 2.75 \end{array}$$

Position 4 miles SE from
Barataria Lt.

2nd haul, 4 Pm.

4 1/2 fath 20 min -

2 or 3 prawns

2/3 bucket fish.

38 Menticlinus weigh 275 Kg.

4 small trout 42 Stelleria

4 Bolita

4 cuttle

6 squid

1 pepper

1 string-ray.

5 cats

2 mofus

22 small flounder

3rd haul 5.30 PM

5 fath mud.

SW 5 miles from 2nd haul

15 min

10 shrimp

2 Murexinidae

28 Cuttars

9 small tent.

3 " Bairdella

3 Stelleria


1 Hog-choker (Kept)

6 Squid "

11 Anchovies "

Position
5 to 6 miles S by W
from Barataria St.

$$\begin{array}{r}
 18.29 \\
 13658 \\
 \hline
 21948
 \end{array}$$


 34 miles SSW from outer
 Alcatraz Island
 28° 47' 91° 41'

100'

Sta 10463 Feb 14, '17

8 Am Am to 10 Am.

S. light, slight chop.

12 fath. ^{blue} mud, soft stiff

Plenty schools ^{sample} fish.

Tried pure-sein on a school of
~~prob. menhaden~~ ^{small} fish - too light & small - fish
went down.

12 fath = 22 m.

0 62° 45

20 m. [±] 153 17.10 @ 18 WS

845-9 tried to fish shrimp trawl
in mid-water

9.05 Am. Shrimp trawl on bottom.
15 min Baren, 5 robins + 6 squid,
squall.

20 net 0 9.40 Am. 10 Am;
Swarm of diatoms.

1/2 m net 0 Swarm young fish

Sled net 22 m to 0 Good haul young
fish + general

Jan 4. 1917 left Wilmington
8.20 Am & proceeded down
river.

11.45 Am passed bell-buoy
off Cape Fear R. entrance

Jan 18th Dry Tort.

Am. Daylight.

Trolled Banacuta Park-rind.

~~119 cm 9 Kg~~

~~100 " 4.5 "~~

~~85 " 2.75~~

~~77 " 2~~

~~79 " 2.25~~

~~98 " 4.5~~

~~102 " 5.500~~